



Your first step into connected lighting

MasterConnect T8

Introducing MasterConnect LED lamps - smart retrofit LED lamps that give you an easy and seamless way to upgrade to connected lighting. Simply set up with an intuitive app, MasterConnect LED lamps can be programmed to maximize energy savings, while providing wireless and automated light for your comfort and convenience. What's more, it is fully scalable and upgradable. If you want to enjoy further benefits such as remote control or management dashboard, you can simply keep the currently installed lamps and add a gateway to experience all the advantages of a cloud-based system. There's no better way to take lighting solutions to the next level.

Benefits

- Easy to install and set up
- Enhanced energy saving and convenience thanks to advanced lighting controls
- Scalable and upgradable to cloud-based solution

Features

- Quick upgrade to smart lighting on verified HF ballasts or direct mains (UL Type A and Type B)
- Product lifetime up to 70,000hrs
- Easy to set up and control – with intuitive app
- Interact ready
- Reliable and secure wireless technology

Application

- Office, education, retail and healthcare
- Parking, industry and warehouse

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Versions

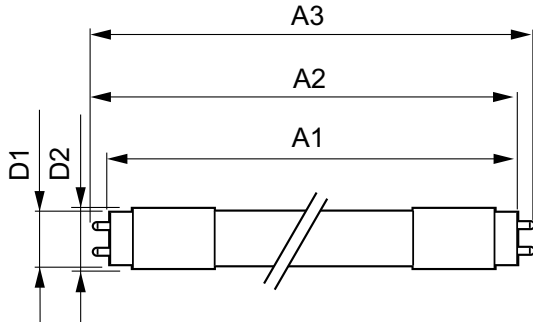


Medium Bi-Pin Fluorescent Tube,
double-ended



Medium Bi-Pin Fluorescent Tube,
double-ended

Dimensional drawing



Product	D1	D2	A1	A2	A3
14T8/48-835/IF20/MC IA 10/1	25.7 mm	26.3 mm	1198 mm	1205 mm	1212 mm
14T8/48-840/IF21/MC IA 10/1	25.7 mm	26.3 mm	1198 mm	1205 mm	1212 mm
14T8/48-850/IF21/MC IA 10/1	25.7 mm	26.3 mm	1198 mm	1205 mm	1212 mm
14.5T8/48-835/MF20/MC IA 10/1	25.7 mm	28 mm	1198 mm	1205 mm	1212 mm
14.5T8/48-840/MF21/MC IA 10/1	25.7 mm	28 mm	1198 mm	1205 mm	1212 mm
14.5T8/48-850/MF21/MC IA 10/1	25.7 mm	28 mm	1198 mm	1205 mm	1212 mm

Approval and Application

Energy Consumption kWh/1000 h	- kWh
Energy Efficiency Label (EEL)	Not applicable

Controls and Dimming

Dimmable	Wireless Dim
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General Information

Nominal Lifetime (Nom)	70000 h
Switching Cycle	50000X

Light Technical

Beam Angle (Nom)	160 °
Color Rendering Index (Nom)	82
Llmf At End Of Nominal Lifetime (Nom)	70 %

Mechanical and Housing

Bulb Shape	Tube, double-ended
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Temperature

T-Ambient (Max)	45 °C
T-Ambient (Min)	-20 °C
T-Storage (Max)	65 °C
T-Storage (Min)	-40 °C

Operating and Electrical

Order Code	Full Product Name	Input Frequency	Voltage (Nom)	Power (Rated) (Nom)	Starting Time (Nom)
547299	14T8/48-835/IF20/MC IA 10/1	28K to 100K Hz	100-380 V	14 W	0.5 s
547307	14T8/48-840/IF21/MC IA 10/1	28K to 100K Hz	100-380 V	14 W	0.5 s
547315	14T8/48-850/IF21/MC IA 10/1	28K to 100K Hz	100-380 V	14 W	0.5 s
562736	14.5T8/48-835/MF20/MC IA 10/1	50 to 60 Hz	120-277 V	14.5 W	1 s
562744	14.5T8/48-840/MF21/MC IA 10/1	50 to 60 Hz	120-277 V	14.5 W	1 s
562751	14.5T8/48-850/MF21/MC IA 10/1	50 to 60 Hz	120-277 V	14.5 W	1 s

General Information

Order Code	Full Product Name	Cap-Base
547299	14T8/48-835/IF20/MC IA 10/1	G13
547307	14T8/48-840/IF21/MC IA 10/1	G13
547315	14T8/48-850/IF21/MC IA 10/1	G13

Order Code	Full Product Name	Cap-Base
562736	14.5T8/48-835/MF20/MC IA 10/1	G13 ROT (Rotating)
562744	14.5T8/48-840/MF21/MC IA 10/1	G13 ROT (Rotating)

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Order Code	Full Product Name	Cap-Base
562751	14.5T8/48-850/MF21/MC IA 10/1	G13 ROT (Rotating)

Light Technical

Order Code	Full Product Name	Color Code	Correlated Color	
			Temperature (Nom)	Luminous Flux (Nom)
547299	14T8/48-835/IF20/MC IA 10/1	835	3500 K	2000 lm
547307	14T8/48-840/IF21/MC IA 10/1	841	4000 K	2100 lm
547315	14T8/48-850/IF21/MC IA 10/1	850	5000 K	2100 lm

Order Code	Full Product Name	Color Code	Correlated Color	
			Temperature (Nom)	Luminous Flux (Nom)
562736	14.5T8/48-835/MF20/MC IA 10/1	835	3500 K	2000 lm
562744	14.5T8/48-840/MF21/MC IA 10/1	841	4000 K	2100 lm
562751	14.5T8/48-850/MF21/MC IA 10/1	850	5000 K	2100 lm

Temperature

Order Code	Full Product Name	T-Case Maximum (Nom)
547299	14T8/48-835/IF20/MC IA 10/1	40 °C
547307	14T8/48-840/IF21/MC IA 10/1	40 °C
547315	14T8/48-850/IF21/MC IA 10/1	40 °C
562736	14.5T8/48-835/MF20/MC IA 10/1	45 °C
562744	14.5T8/48-840/MF21/MC IA 10/1	45 °C
562751	14.5T8/48-850/MF21/MC IA 10/1	45 °C

